Patent Application No. 10/046,295
Inventors: Lyons, et al. NC 83,068

Amendments to the specification:

Please amend the following paragraph that was added by a previous amendment, located after the first paragraph on page 5 at about line 8 as originally filed:

The gas applied to the metal oxide sample can be applied at a linear flow rate of about 50 –350 ccm and the heating step can be from about 2 to about 20 °C/min up to about 460 °C. Once the heating of 460 °C is achieved, this temperature can be maintained for about 24 hours. A second embodiment of the present invention provides for supplying a metal oxide sample wherein the metal oxide sample has a specific energy, applying a gas to the metal oxide sample to increase the specific energy, heating the metal oxide sample at a temperature of from about 300 °C to about 600 °C and maintaining this heating step from about 6 to about 72 hours and cooling the metal oxide sample at about 2 to about 20 °C/min until ambient temperature is achieved. An example of the metal oxide samples include but is not limited to V_2O_5 and can comprise a surface area of about 1-10 square meters. This listing of claims will replace all prior versions, and listings, of claims in the application: